Fast Ethernet Media Converter

1 UTP Port & 1 Optical Port

User's Manual

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FCC Warning

The 10/100M Fast Ethernet Media Converter series have been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when these devices are operated in a commercial environment. These devices can generate, use, and radiate radio frequency energy and may cause harmful interference to radio communications unless installed in accordance with this User's Guide. Operation of these devices in a residential area is likely to cause harmful interference which will make the user responsible for the appropriate remedial action at his/her own expense.

CE Mark Warning

These are Class A products. In a domestic environment these products may cause radio interference in which case the user will need to consider adequate preventative methods.

1. Packing list

The box should contain the following items:

- The Media Converter
- AC-DC Power Adapter
- The User's Manual
- Warranty Card

Please notify your sales representative immediately if any items are missing or damaged.

2. Overview

The 10/100M Fast Ethernet Media Converter series are designed to meet the massive needs for network deployment and able to extend a copper based fast network via fiber cable to a maximum distance up to 120km.

Our 10/100M Fast Ethernet Media Converter series are fully compliant with IEEE802.3, IEEE802.3U, 10/100Base-TX, 100Base-FX, standards. They can be installed into a Standard Converter Chassis. The installation & operation procedures are simple & straightforward. Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.

Features:

10/100Base-TX to 100Base-FX Converter
Standards: IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX
Interface: 1 RJ-45 Port & 1 Optical Port (SFP or 1X9)
Flow Control: IEEE802.3x flow control for full duplex mode. Back-pressure flow control for half duplex mode.
LED: Fiber-Link, Fiber-Duplex, Fiber-Fault, T.P.-Link, T.P.-Duplex, T.P.-100/10M

3. Installation

- Attach fiber cable from the media converter to the fiber network. The fiber connections must be matched between transmit socket and receive socket, the TX, RX fiber cable must be paired at both ends.
- Attach a UTP cable from the 10/100BASE-T network to the RJ-45 port on the media converter.
- Connect the power adapter to the media converter.
- The Fiber-Link and T.P.-Link LEDs will light up when all the cable connections are satisfactory.

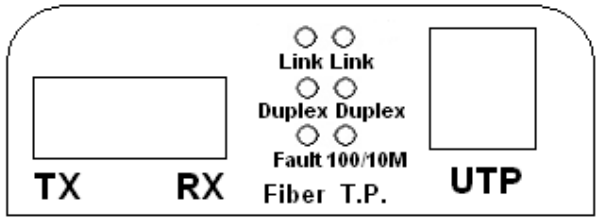

Figure 1: Front panel

Figure 2: Back panel

4. LED Description

LED	Status	Description
Fiber-Link	ON	Linked on fiber port
	FLASH	Activity
	OFF	Not linked
T.P.-Link	ON	Linked on UTP port
	FLASH	Activity
	OFF	Not linked
Fiber-Duplex	ON	Fiber port works in full duplex mode
	OFF	Fiber port works in half duplex mode
	FLASH	Half & collision happens
T.P.-Duplex	ON	UTP port works in full duplex mode
	OFF	UTP port works in half duplex mode
	FLASH	Half & collision happens
Fiber-Fault	FLASH	Far end fault pattern received
	OFF	Far end fault pattern not received
T.P.-100/10M	ON	100Base-TX
	OFF	10Base-T

5. Technical Specifications

- Standard Protocol: IEEE802.3 10Base-T IEEE802.3u 100Base-TX/FX
- Connector: 1 RJ-45 & 1 optical port (SFP or 1X9)
- Operation mode: full duplex or half duplex
- Power supply: 5V DC 1A
- Environmental temperature: 0℃-60℃
- Relative humidity: 5%-90%
- UTP cable: Cat5 UTP cable
- Fiber: 50/125um, 62.5/125um multi-mode fiber or 9/125um single-mode fiber
- Dimensions: 26mm x 71mm x 94mm

Cautions:

1. This product is suitable for indoor application.
2. Put on the dust cover of fiber interface when not used.
3. It is forbidden to stare at the TX fiber-transfer end with naked eyes.